

FS/FD™ Metallic Connections

Overview

The FS/FD™ general-purpose interconnection system is designed for lower-amperage marine and rough service applications with rugged die-cast aluminum housings and epoxy powder-coated finishes. Interlocked receptacles add branch circuit-protected outlet capability and base receptacles fit existing Russellstoll® FS, FD and DSFD single and multi-gang back boxes. Its versatility and watertight features make it ideal for washdown industrial and light marine applications.

Safety

- Circuit-interrupting up to 30 A, 250 VAC (20 A, 600 VAC)
- Factory-polarized interiors permit mating of same voltage/same type devices through configured ground pins and housing features
- Shell grounding by means of ground strap integral with ground contact for assured assembly safety



Durability

- Constructed of copper-free cast aluminum (brass construction also available)
- Optional conduit adapters, strain reliefs and cable bushings available (modified catalogue number construction)
- Nonmetallic versions of most metallic plugs and receptacles also available (see Dura-Gard®, pages E18–E27)

Performance

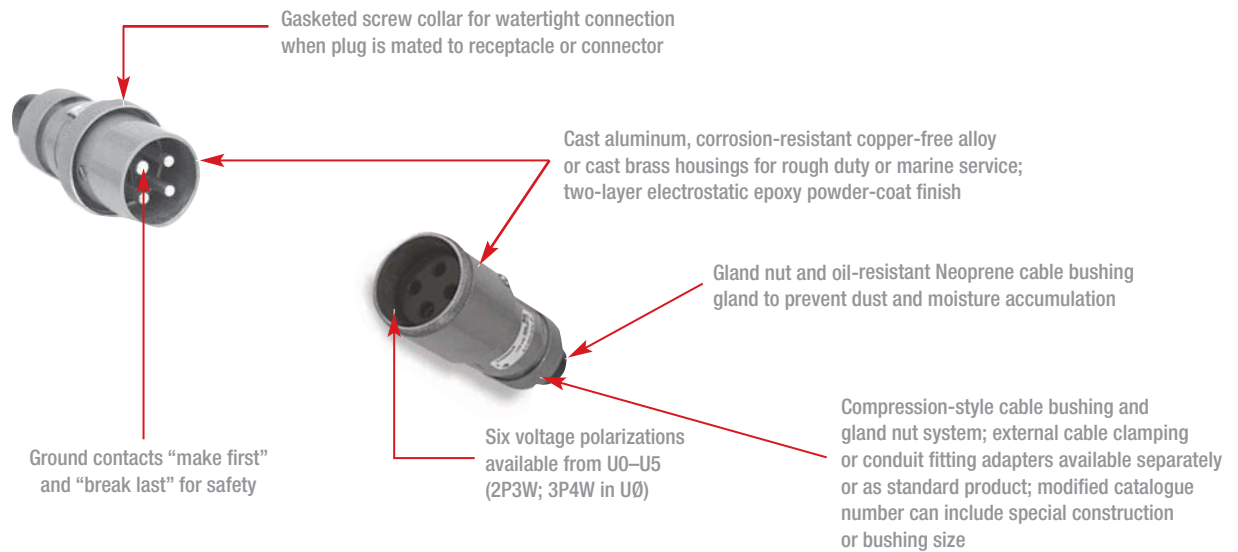
- Precision-made, self-aligning and self-wiping contacts
- Devices available in watertight and weathertight versions
- Solderless binding screw terminals for convenient wiring (20 A, 2P3W devices have set-screw pressure terminals)



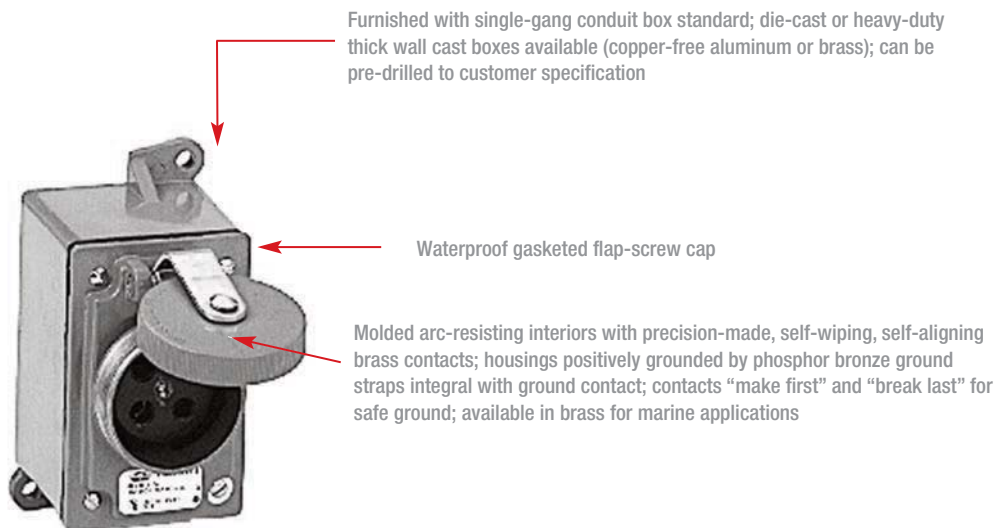
FS/FD™ Metallic Connections

Overview

Plug and Connector (+ Reverse Service Female Plug)



Receptacle (+ Reverse Service Male Inlet)



**FDWS-62 box shown.
See accessories for complete
box selections**

FS/FD™ Metallic Connections

10-30A



Male Plugs



Female Connectors

Poles/Wires	Amperes	Voltage	Polarization (Receptacle)	Aluminum	Cast Brass	Aluminum	Cast Brass
2P3W	15 A	125 VAC		3720U-2	3720BU-2	3913U-2	3913BU-2
		177 VAC		3720U-3	3720BU-3	3913U-3	3913BU-3
		480 VAC		3720U-4	3720BU-4	3913U-4	3913BU-4
		600 VAC		3720U-5	3720BU-5	3913U-5	3913BU-5
	20 A	250 VAC		3720	3720B	3913	3913B
		125 VAC		3720U-1	3720BU-1	3913U-1	3913BU-1
30 A	250 VAC		3750	3750B	3933	3933B	
3P4W	10 A	600 VAC		3730	3730B	3914	3914B
	15 A	250 VAC		3730	3730B	3914	3914B
	20 A	600 VAC		3760	3760B	3934	3934B
	30 A	250 VAC		3760	3760B	3934	3934B

Cable Bushings — Oil-resistant, Neoprene cable bushing is regularly furnished with hole sizes listed above. Other hole sizes are available at no extra cost when specified on order. See page E32 for available sizes.

Screw caps for connectors can be furnished with retained screw cap at extra cost. For kits order:

- 9X2PSC 20 A screw cap
- 9X3PSC 30 A screw cap
- F26874C 30 A plug cup cap

See the Dura-Gard® section for Thermoplastic families

Standard Cable Bushing Hole Diameter

Prefix	Hole Dia. (in.)
3720	—
3730	—
3750, 3760	—
3913	5/8
3914	1-1/16
3933, 3934	3/4
3789	—
3790	—
3809, 3810	—

For other plug and connector accessories, see pages E32–E34

Plugs can be furnished with adapters to accommodate rigid conduit or standard connectors

For armored cable or flexible conduit, see page E32

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10-30A



Female Receptacles



Female Plugs



Male Receptacles

Reverse Service

Aluminum with Box *	Cast Brass with Box *	Female Plugs		Male Receptacles	
		Aluminum	Cast Brass	Aluminum with Box FDWS-62	Cast Brass with Box 3731
3743U-2	3763U-2	3789U-2	3789BU-2	3776U-2	3779U-2
3743U-3	3763U-3	3789U-3	3789BU-3	3776U-3	3779U-3
3743U-4	3763U-4	3789U-4	3789BU-4	3776U-4	3779U-4
3743U-5	3763U-5	3789U-5	3789BU-5	3776U-5	3779U-5
3743	3763	3789	3789B	3776	3779
3743U-1	3763U-1	3789U-1	3789BU-1	3776U-1	3779U-1
3753	3773	38091	3809B1	37962	37993
3744	3764	3790	3790B	3777	3780
3744	3764	3790	3790B	3777	3780
3754	3774	3810	3810B	3797	3800
3754	3774	3810	3810B	3797	3800

* Receptacles come with the following boxes:

Material	Amperes	Box
Aluminum	10, 15 and 20	FSWS-62
	30	FDWS-62
Brass	10, 15 and 20	3721
	30	3731

Note:

1. Also in plastic. Use 3809P or 9F33U0.
2. Also in plastic. Use 3796P — Aluminum back box (use 3797-P for brass).
3. Also in plastic. Use 3799P (Brass J-Box) or 9B33U0F (without J-Box).

For 20 A/30 A Thermoplastic devices, see Dura-Gard® section.

Mating with Dura-Gard® line:

- 20 A devices will mate and lock across lines.
- 30 A metal male devices cannot mate to Dura-Gard®; 30 A female devices can be mixed.